Contents

Remember...

For television operation queries, please ring the helpline...

Toshiba customer helpline
0115 976 6958

Safety Precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured. Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products and some points may not apply to the goods you have just purchased.

Air Circulation

Leave at least 10cm clearance around the television to allow adequate ventilation. This will prevent overheating and possible damage to the television. Dusty places should also be avoided.

Heat Damage

Damage may occur if the television is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or locations where the temperature is likely to fall below 5°C (41°F).

Mains Supply

For 17WLT56B model:

IMPORTANT: The TV set is designed to operate on 12 V DC. For this, an adaptor is used which gives 12 V voltage. Connect this adaptor to a system that supplies 230 V AC 50Hz.

For 20WLT56B and 23WLT56B models:

IMPORTANT: The TV set is designed to operate on 24 V DC. For this, an adaptor is used which gives 24 V voltage. Connect this adaptor to a system that supplies 230 V AC 50Hz.

DO ensure that the television is not standing on the mains lead. DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is approved by ASTA or BSI to BS1362. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted. This set requires an earthed supply. IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

Do not

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DON'T allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DON'T place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DON'T use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturers' approved stand, bracket or legs with the fixings provided according to the instructions.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off by withdrawing the plug, make sure your family know how to do this. Special arrangements may need to be made for people with disabilities.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.

ABOVE ALL - NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case.

NEVER guess or take chances with electrical equipment of any kind - it is better to be safe than sorry.

THE MAINS PLUG IS USED AS A DISCONNECTING DEVICE AND THEREFORE SHOULD BE READILY OPERABLE.

Installation and important information

Locate the television away from direct sunlight and strong lights; soft, indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen.

Place on a sturdy platform, the mounting surface should be flat and steady. It should then be secured to the wall with a sturdy tie using the clip on the back of the television, this will prevent it from falling over.

Make sure the television is located in a position where it cannot be pushed or hit by objects and that small items cannot be inserted into slots or openings in the case.
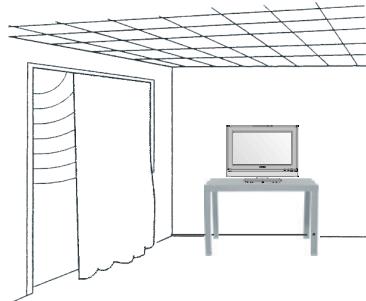
Please take note

EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

i)   fire;

ii)   earthquake;

iii)   accidental damage;

iv)   intentional misuse of the product;

v)   use of the product in improper conditions;

vi)   loss and/or damage caused to the product whilst in the possession of a third party;

vii)   any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's manual;

viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

If stationary images generated by text services, channel identification logos, computer displays, video games, on screen menus, etc. are left on the television screen for any length of time they could become conspicuous, it is always advisable to reduce both the brightness and contrast settings.

The remote control

Simple at-a-glance reference of your remote control.

To mute the sound

Standby mode

To select TV programme number

To return to the previous programme in TV mode.

To select between analogue and digital TV, or an external source

To display the **digital** on-screen Programme Guide or **analogue** Program table

To view TV, DTV or PC picture-in-picture (pip) or picture-and-picture (pap) modes.

On-screen menus

To exit Menus

When using menus the direction buttons move the cursor on the screen up, down, left or right. **OK** to confirm your selection

To change programme positions and teletext pages

Select to control your Toshiba TV, DVD or VCR

To alter the volume

To display on-screen information

Selectable picture mode

To call up text services in **analogue** mode and interactive services in **digital** mode.

Picture format

When in TV mode:
⊟ Still picture
◁ I/II Stereo / bilingual transmissions
SUBTITLE Digital Subtitles
⊞/⊠ Time display in analogue mode

When using the Programme Guide
◀◀ -2 hours
▶▶ +2 hours
◀◀ -24 hours
▶▶ +24 hours

When using a Toshiba VCR or DVD :
press ❙❙▶ to PAUSE/STEP
press ▶ to PLAY
press ◀◀ to REWIND
press ▶▶ to FAST FORWARD
press ▲ to EJECT
press ■ to STOP
press ❙◀◀ to SKIP-REWIND
press ▶▶❙ to SKIP-FORWARD

TOSHIBA
CT-8003

Inserting batteries and effective range of the remote
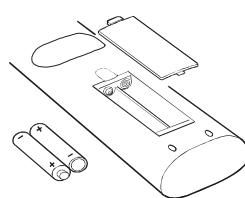
Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round. Suitable battery types for this remote are AAA, IEC R03 1.5V.

Do not combine a used, old battery with a new one or mix battery types. Remove dead batteries immediately to prevent acid from leaking into the battery compartment. Dispose of them in a designated disposal area.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the television. If the operating range becomes reduced the batteries may need replacing.

- 5 -

Connecting external equipment

Before connecting any external equipment, disconnect from the main power.

PC Audio In

ANT

Scart 1 (AV-1)

Scart 2 (AV-2)

S-VIDEO

Comp. Audio R/L

Pr

Pb

Y

AV-3

PC Input

DC IN 12 V

COMMON INTERFACE

The Common Interface is for a Conditional Access Module (CAM).

Contact a service provider.

The cover must be removed before inserting the CAM.

COMMON INTERFACE

decoder

MEDIA REC.

TV

SAT

IN OUT

media recorder

* a decoder could be Digital Satellite, Free to Air or any other compatible decoder.

- 6 -
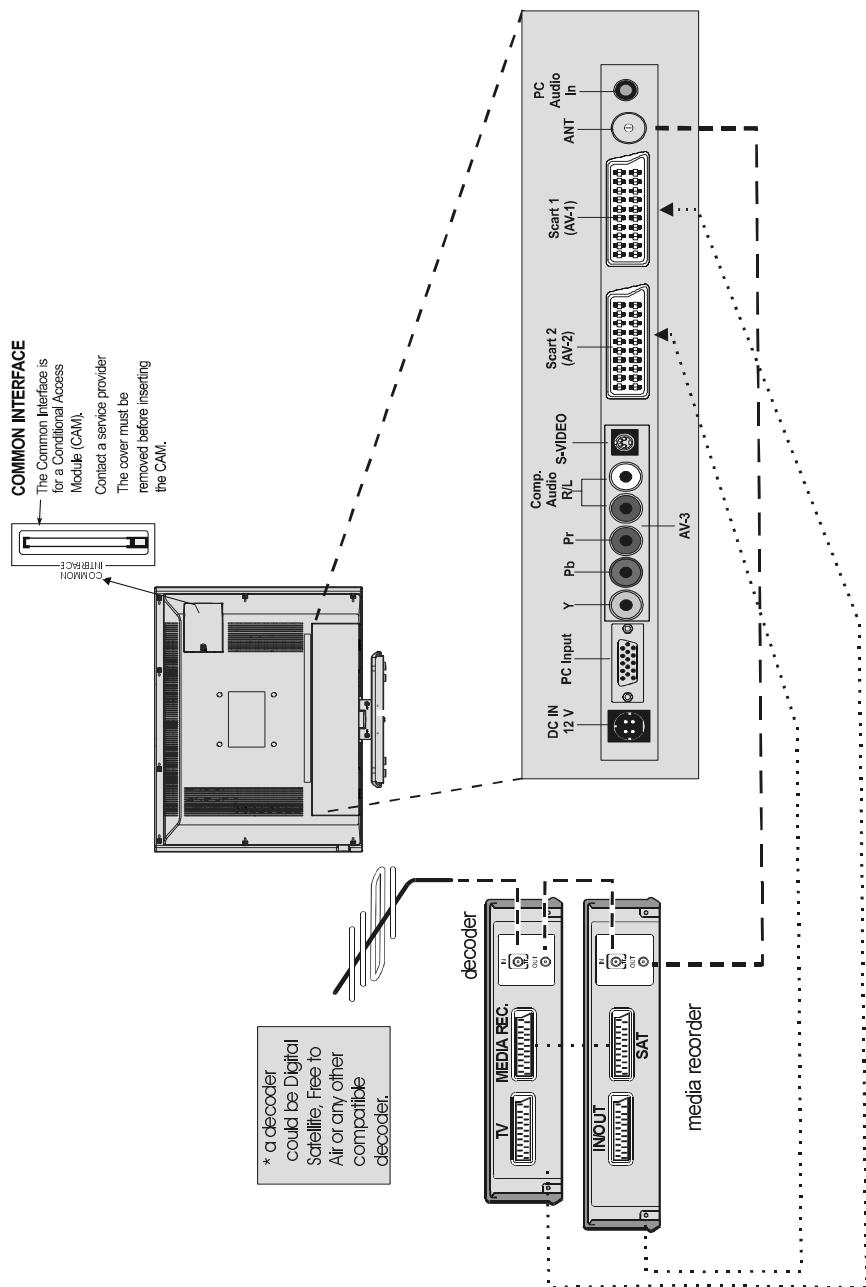
Connecting external equipment

For 20WLT56B and 23WLT56B models:

Before connecting any external equipment, disconnect from the main power.

COMMON INTERFACE

The Common Interface is for a Conditional Access Module (CAM).

Contact a service provider

The cover must be removed before inserting the CAM.

COMMON INTERFACE

PC Audio In

ANT

Scart 1 (AV-1)

Scart 2 (AV-2)

For 20WLT56B model:
S-VIDEO

Comp. Audio R/L

Pr

Pb

Y

AV-3

PC Input

DC IN 24 V

decoder

* a decoder could be Digital Satellite, Free to Air or any other compatible decoder.

MEDIA REC.

TV

SAT

IN/OUT

media recorder

17&20&23WLT56B&27730W-ENG-17MB16P-IDTV-1704UK-WO ADAPTOR PLATE-50077305.p65   08.06.2006, 17:59

Aerial cables: ▬ ▬ ▬ ▬ ▬

Connect the aerial to the socket on the rear of the television. If you use a decoder and/or a media recorder it is essential that the aerial cable is connected through the decoder and/or through the media recorder to the television.

SCART leads:· · · · · · · · · · · · · ·

Connect the media recorder **IN/OUT** socket to the television. Connect the decoder **TV** socket to the television. Connect the media recorder **SAT** socket to the decoder **MEDIA RECORDER** socket.

Before running **APS (AUTO PROGRAMMING SYSTEM)** put your decoder and media recorder to **Standby.**

A wide variety of external equipment can be connected to the back of the television, therefore the relevant owners manuals for *all* additional equipment *must* be referred to.

We recommend *SCART 1* for a decoder and *SCART 2* for a media recorder.

For 17WLT56B and 20WLT56B models:

If connecting S-VIDEO equipment, set the **INPUT** for **AV-3S.** See *page 28.*

If the television automatically switches over to monitor external equipment, return to normal television by pressing the desired programme position button. To recall external equipment, press ⊖ to select between **ATV, AV-1, AV-2, AV-2S, YPbPr, AV-3S, PC RGB or DTV.**

For 23WLT56B model:

If connecting **S-VIDEO** equipment, set the INPUT for **AV-4S.** See **Page 29.**

If the television automatically switches over to monitor external equipment, return to normal television by pressing the desired programme position button. To recall external equipment "source button iconu" to select between **ATV, AV-1, AV-2, AV-2S, YPbPr, AV-4, AV-4S PC RGB** or **DTV**.

Connecting the PC via PC RGB input

• Power off both computer and TV before making any connections.

• Connect the PC cable to the PC RGB input of your TV and to the 15-pin connector on the rear of your computer.

• Tighten the screws on the plugs until the connectors are fastened securely.

• If you are using Windows operating system running on a PC with a Microsoft Plug&Play compatible video card, your system will select the appropriate timing for your monitor.

Connections and controls

Whilst all the necessary adjustments and controls for the television are made using the remote control, the buttons on the top of the television may be used for some functions.

HEADPHONE

Switching on

Connect the power supply cord to the system. Then the TV switches itself to the standby mode and the power lamp becomes red on the front of the

TV. Then press a number, ▲P▼ or ⏻ on the remote control to see the screen. Then the LED will turn GREEN.

To put the television into Standby press ⏻ on the remote control; another GREEN LED appears briefly followed by RED LED when in standby.

To view the television press ⏻ again or any of the number buttons. The picture may take a few seconds to appear.

Using the remote control

Press the **MENU** button on the remote control to see the menus.

To use the options press the ⋀ and ⋁ button on the remote control to move up and down through

them and **OK,** ⟨ or ⟩ to select the required choice. Follow the on screen instructions. The functions of each menu are described in detail throughout the manual.

Using the controls and connections

Using the control buttons on the top of the TV:

• To alter the volume press + ◿ — .

• To alter the programme position press ▲ P ▼ on the top of the TV.

• Press **MENU** and + ◿ — and ▲ P ▼ to control the menu options.

• Press **MENU** to finish.

When connecting mono sound equipment to **AV-3**, connect the audio output of the equipment to the L or R socket on the rear side of the television, then

press ◌I/II to select Dual I for left mono or Dual II for right mono.

To select the Input, press ⟿ until the **YPbPr** is highlighted in **Source** menu as described on *page 28*. The television will automatically sense the type of signal.

Please always refer to the owner's manual of the equipment to be connected for full details.

Please note: Inserting the headphone jack will mute the sound from all speakers.

Connections and controls

A wide variety of external equipment can be connected via the sockets located on the side of the television.

Whilst all the necessary adjustments and controls for the television are made using the remote control, the buttons on the top of the television may be used for some functions.

HEADPHONE

AUDIO INPUT (L, R)

(AV-4)

VIDEO INPUT

S-VIDEO INPUT

Switching on

Connect the power supply cord to the system. Then the TV switches itself to the standby mode and the power lamp becomes red on the front of the

TV. Then press a number, ▲P▼ or ⏻ on the re-mote control to see the screen. Then the LED will turn GREEN.

To put the television into Standby press ⏻ on the remote control; another GREEN LED appears briefly followed by RED LED when in standby.

To view the television press ⏻ again or any of the number buttons. The picture may take a few seconds to appear.

Using the remote control

Press the **MENU** button on the remote control to see the menus.

To use the options press the ∧ and ∨ button on the remote control to move up and down through

them and **OK,** ⟨ or ⟩ to select the required choice. Follow the on screen instructions. The functions of each menu are described in detail throughout the manual.

Using the controls and connections

Using the control buttons on the top of the TV:

• To alter the volume press + ◁ — .

• To alter the programme position press ▲ P ▼ on the top of the TV.

• Press **MENU** and + ◁ — and ▲ P ▼ to con-trol the menu options.

• Press **MENU** to finish.

When connecting mono sound equipment to **AV-4**, connect the audio output of the equipment to the L or R socket on the right side of the television,

then press ⏻I/II to select Dual I for left mono or Dual II for right mono.

To select the Input, press ⊕ until the **AV-4** is highlighted in **Source** menu as described on *page 29*. The television will automatically sense the type of signal.

Please always refer to the owner's manual of the equipment to be connected for full details.
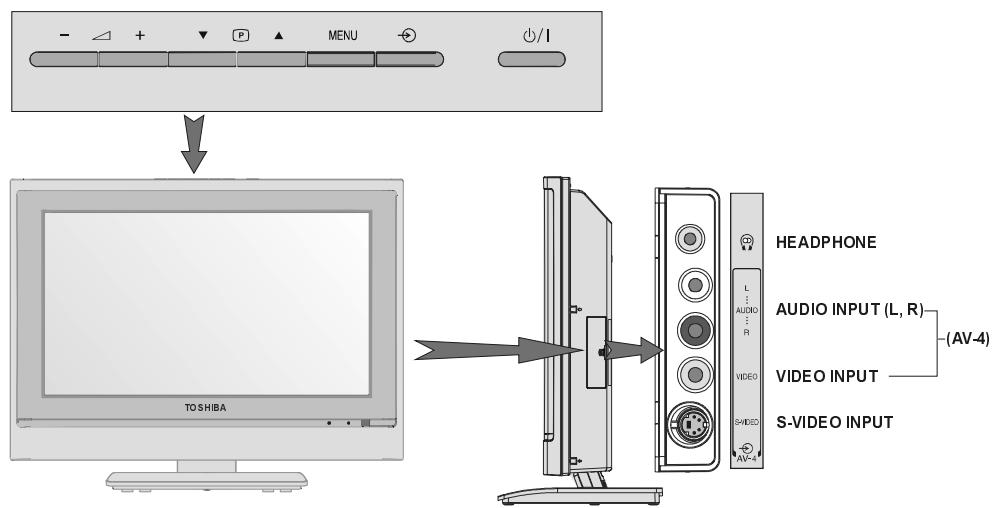
Please note: Inserting the headphone jack will mute the sound from all speakers.

Digital Tuning, programme sorting

Before switching on the television put your decoder and media recorder to **Standby** if they are connected and ensure the aerial is connected. To set up the television use the buttons on the remote control as detailed on page 5.

❶ Connect the mains plug to the TV and press any numbered button or standby button on the remote control, the **Welcome** screen will appear. This screen will appear the first time that the television is switched on and each time the television is reset.

> **TOSHIBA**
>
> Thank you for choosing this Toshiba television.
>
> First you need to tune in your television. Please ensure aerial is connected before proceeding.
>
> Press ● to continue.
>
> **Welcome**

❷ Press **OK** to start tuning.

❸ The **Auto tuning** screen will appear and the television will start to search for available stations.

The progress bar will move along the line.

	AUTO TUNING			
Progress				
Prog.	Name	Type	UHF	Quality
30	CBBC Channel	▣	22	Good
46	Community	▣	21	Poor
EXIT	Cancel			

You must allow the television to complete the search.

When the search is complete the Auto tuning screen will display the total number of services found.

	AUTO TUNING			
19 programmes found				
▣ 13 TV	📺 6 Radio		▤ 0 Text	
Press OK to watch programme				
Prog.	Name	Type	UHF	Quality
1	BBC ONE	▣	22	Good
2	BBC TWO	▣	22	Good
3	BBC THREE	▣	22	Good
10	BBC FOUR	▣	21	Poor
30	CBBC Channel	▣	22	Good
34	CBeebies	▣	21	Poor
● Change	● Watch			
● Page Up	● Page Down		● Sort	
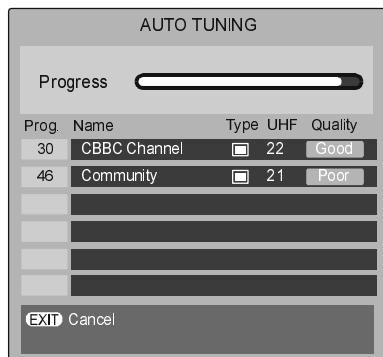
❹ Use ⋀ or ⋁ to move through the list to select a programme then press **OK** to view.

Programme sorting

❶ The station order may be changed, for instance if the picture is unclear or the signal is weak. Press **MENU**, the **SETUP MENU** will appear on the screen.

❷ Use ⋁ to move down through the list and highlight **Programmes.** Press **OK.**

SETUP MENU	
TV Setup	● ENTER
Languages	● ENTER
Auto tuning	● ENTER
Manual tuning	● ENTER
Programmes	● ENTER
MENU Back EXIT Watch TV	

❸ With the list of stations now showing use ∧ or ∨ to highlight the station you want to move and press 〉.

The selected station will be moved to the right of the screen.

```
                PROGRAMMES
   Prog.        Name
    1      ☐ BBC ONE
    2      ☐ BBC TWO
    7      ☐ BBC THREE
   10      ☐ BBC FOUR
◄  30        ☐ CBBC Channel
   31      ☐ CBeebies

   ● Sort    ● Store  (MENU) Back  (EXIT) Watch TV
   ● Page Up      ● Page Down
```

❹ Use ∧ or ∨ to move through the list to your preferred position. As you do so the other stations will move to make room.

❺ Press 〈 to store your move.

Repeat as necessary, then press **EXIT**.

Auto tuning

Auto tuning will completely re-tune the television. All current programmes and settings, i.e. favourites and locked programmes, will be lost.

❶ Select the **SETUP MENU** and use ∨ to high-light the **Auto tuning.** Press **OK.**

❷ A screen will appear warning that previous digi-tal programmes and settings will be deleted.

Press **OK** to continue with the **Auto tuning.**

```
                WARNING
   ❶ All previous digital programmes and
      settings will be deleted.
      Continue?

   ◄            YES            ►

   ● Select  (MENU) Cancel
```
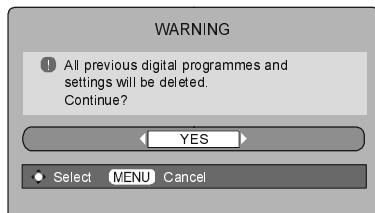
The television will start to search for all available stations.

You must allow the television to complete the search.

When the search is complete the **Auto tuning** screen will display the total number of services found.

```
                AUTO TUNING
            23 programmes found
   ◼ 14 TV    📺8 Radio    ▤1 Text
         Press OK to watch programme
   Prog.  Name            ▲ Type  UHF  Quality
    1     BBC ONE            ◼     22   Good
    2     BBC TWO            ◼     22   Good
    3     BBC THREE          ◼     22   Good
   10     BBC FOUR           ◼     21   Poor
   30     CBBC Channel       ◼     22   Good
   34     CBeebies           ◼     21   Poor
                            ▼
   ● Change   ● Watch  (MENU) Back
   ● Page Up    ● Page Down    ● Sort
```
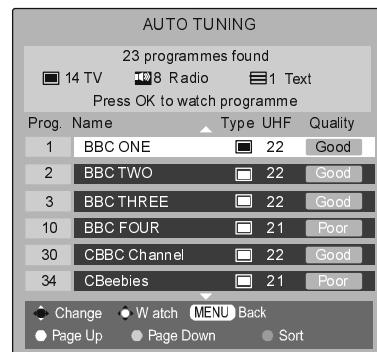
The station order may be changed, for instance if the picture is unclear or the signal is weak, using **Programmes** as previously described.

Manual tuning

The feature is available for service engineers or can be used for direct channel entry if the multiplex channel is known.

❶ Select **Manual Tuning** from the **SETUP MENU** and press **OK.**

❷ Enter the multiplex number using the number buttons. The television will automatically search for that multiplex.

When the multiplex is found any channels not currently on the programme list will be added and the programme information at the top of the screen will be updated.

❸ Repeat as necessary. Press **EXIT** to finish.

Analogue Tuning, programme sorting
and manual tuning

The television can be tuned to all available **analogue** stations. Pressing ⊕, **source select** will appear on the screen. Select **ATV** to put the television into **analogue** mode. To return to **digital** viewing select **DTV, DTV** will appear on the screen.

Note: When the television is switched off the mode being viewed at the time will automatically be selected when the television is switched back on.

❶ Press ⊕ to select analogue mode. The **Initial APS** screen will appear the first time that the analogue mode is selected and each time the television is re-tuned.

```
              Warning
--------------------------------------
All Prestored Programmes
Will Be Erased

▸ Country                    UK
  Language                   English
  Continue
  EXIT    Cancel
--------------------------------------
```

❷ Use ∨ to select the **Country** and **Language** items and press ⟨ or ⟩ to adjust.

❸ Press ∨ to select **Continue,** then press **OK** to start **APS**.

❸ The television will start to search for available stations. The progress bar will move along the line.

```
APS Is Running Please Wait...
```

You must allow the television to complete the search.

When the search is complete the television will automatically select programme position 1. This may not be a clear picture or the signal may be weak, so the station order can be changed using **Program** which will appear on the screen.

```
            Program            P 01
--------------------------------------
▸01  C-01      11   - - - -
 02  C-02      12   - - - -
 03  C-03      13   - - - -
 04  C-04      14   - - - -
 05  S-01      15   - - - -
 06  S-02      16   - - - -
 07  - - - -   17   - - - -
 08  - - - -   18   - - - -
 09  - - - -   19   - - - -
 10  - - - -   20   - - - -
     Name              Insert
     Delete            Autostore
```

❹ With the list of stations now showing use ∧ or ∨ to select the station you want to move and press **GREEN** button.

❺ Use ∧ or ∨ to move through the list to the preferred position, then press **GREEN** button again. The selected station will be moved to the new position.

Repeat as necessary, then press **EXIT.**

If the television cannot be connected to a media recorder/decoder with a SCART lead or if a station on another *system* is required, a programme position can be manually tuned in.

Manual tuning

To allocate a programme position on the television for a decoder and media recorder: turn the decoder on, insert a pre-recorded film into the media recorder and press PLAY, then manually tune.

❶ Press **MENU** and using ∨ select **Install** menu.

```
              Menu
--------------------------------------
  Sound . . .
  Picture . . .
  Feature . . .
▸ Install . . .
  Program . . .
  Source . . .
--------------------------------------
```
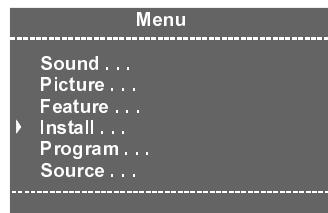
❷ When **Install** menu is entered, **Programme** item is selected. Key in the programme position to be tuned using ⟨ or ⟩ buttons or using the number buttons on the remote control, we suggest *Programme 0* for a media recorder.

Manual tuning continued,

fine tuning

The television can be tuned-in manually using **Install** menu**.** For example: if the television cannot be connected to a media recorder/decoder with a SCART lead or to tune-in a station on another **System.**

```
                Install
--------------------------------------
▶ Programme
  Band
  Channel
  Standard
  Search
  Fine Tuning
  Vcr Mode
  Store
--------------------------------------
  P 01   C-36   C 36   BG   224.25
```

❸ Use ∨ to select **Search** then press ⟨ or ⟩ to search. The television will start searching for channels.

❹ Each signal will show on the television, if it is not your media recorder press ⟨ or ⟩ to re-start the search.

❺ When your media recorder signal is found, save the selection by pressing ∨ until **Store** is selected, then press ⟨ , ⟩ or **OK** button to save. *Stored* message appears on the bottom of the menu.

Repeat for each *programme position* to be tuned then press **EXIT** to finish.

Fine tuning

FINE TUNING *should not be required unless there is interference or a weak signal.*

❶ Select the programme, then press **MENU** and select **Install.**

❷ Using ∨ select **Fine Tuning,** and use ⟨ or ⟩ to adjust to get the best picture and sound.

```
                Install
--------------------------------------
  Programme
  Band
  Channel
  Standard
  Search
▶ Fine Tuning
  Vcr Mode
  Store
--------------------------------------
◀|--------------------|--------------------|▶
```
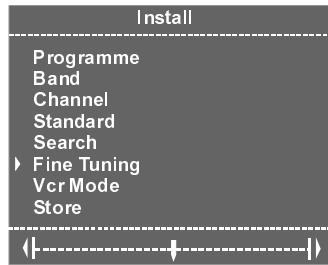
❸ To save the selection press ∨ until **Store** is selected, then press ⟨ , ⟩ or **OK** button. *Stored* message will appear on bottom of the menu.

You can store the settings in the menu via pressing **OK** button while the Install menu is on the screen.

Analogue autostore, choosing a language

Autostore

When the **Autostore** *feature is selected all channels and settings will be lost, the television will return to factory settings and then re-tune.*
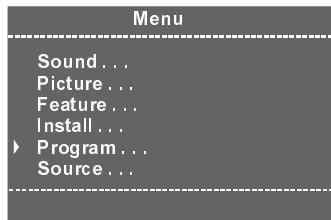
❶ Press **MENU** and using ∨ select **Program** menu.

```
                  Menu
-------------------------------------
        Sound . . .
        Picture . . .
        Feature . . .
        Install . . .
    ▸   Program . . .
        Source . . .

-------------------------------------
```

❷ Press ⟨ or ⟩ or **OK** button, the **Program** screen will appear on the screen. Press the **BLUE** button to start **Autostore**.

```
          Program          P 01
-------------------------------------
 ▸01  C-01       11   - - - -
  02  C-02       12   - - - -
  03  C-03       13   - - - -
  04  C-04       14   - - - -
  05  S-01       15   - - - -
  06  S-02       16   - - - -
  07  - - - -    17   - - - -
  08  - - - -    18   - - - -
  09  - - - -    19   - - - -
  10  - - - -    20   - - - -
       Name            Insert
       Delete         Autostore
```

❸ Press ∨ button to select **Country** item and use ⟨ or ⟩ to adjust it.

```
                 Warning
-------------------------------------
    All Prestored Programmes
    Will Be Erased

  ▸ Country                UK
    Continue
    Cancel                EXIT

```

❹ Press **EXIT** button to cancel **Autostore** or ⟨ , ⟩ or **OK** button to start.

```
  APS Is Running Please Wait...
```

You must allow the television to complete the search.

When the search is complete the television will automatically select programme position 1. This may not be a clear picture or the signal may be weak, so the station order can be changed using **Program** which will appear on the screen.

❺ Press **EXIT** to finish.

Choosing a language

The **Language** *feature allows the menus to be shown in a variety of languages.*

❶ Press **MENU** and using ∨ select **Feature** menu.

❷ Press ∨ to select **Language,** then use ⟨ or ⟩ to select the required language.

```
                Feature
-------------------------------------
        Sleep Timer
        Child Lock
    ▸   Language
        Av-2 Output
        PC RGB Sound Mode
-------------------------------------
               English
```

❸ Press **MENU** to return to the previous menu or press **EXIT** to return to the main picture.

General controls, time display, stereo/bilingual transmissions

Selecting programme positions

To select a programme position use the numbered buttons on the remote control.

Programme positions can also be selected using ▲P and P▼.
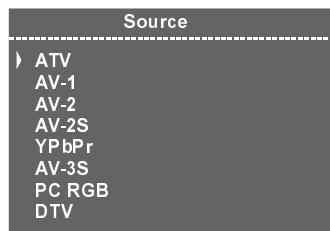
To revert to the previous programme position press ⇄.

To display on-screen information i.e. programme position, subtitle, audio-track availability in **digital** mode press ⓘ⁺. Press again to clear.

By pressing ⓘ⁺ in **analogue** mode, programme number and name, sound mode and picture format information appears on the screen.
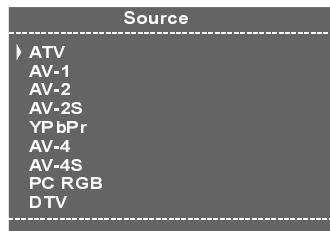
REMEMBER: To move between **digital** and **analogue** modes, press ⊕ till **DTV** is selected in **Source menu** for **digital,** press ⊕ repeatedly to select **ATV** for **analogue TV**.

⌃ or ⌄ buttons can be used to navigate through the sources in **Source menu**, too.

For 17WLT56B and 20WLT56B models:

```
              Source
----------------------------------
▸ ATV
  AV-1
  AV-2
  AV-2S
  YPbPr
  AV-3S
  PC RGB
  DTV
----------------------------------
```

For 23WLT56B model:

```
              Source
----------------------------------
▸ ATV
  AV-1
  AV-2
  AV-2S
  YPbPr
  AV-4
  AV-4S
  PC RGB
  DTV
----------------------------------
```

The Time Display - analogue only

The time display facility allows the current (text service) time to be seen on the television screen.

Press ⏲/⊠ whilst watching a normal television broadcast to see a time display from the broadcaster.

Stereo and Bilingual transmissions

If stereo or dual language broadcasts are transmitted the word Stereo or Dual will appear on the screen each time programme positions are changed, disappearing after a few seconds. If the broadcast is not in stereo the word Mono will appear.

Stereo... Press ◖I/II to select **Stereo** or **Mono.**

Bilingual... Bilingual transmissions are rare. If they are transmitted the word **Dual** will display. Choose the required programme number and if the word **Dual I** appears press ◖I/II to select **Dual II** or **Dual I again.**

In **digital** mode:

I/II appears during channel change and the ⓘ⁺ bar if the current programme has more than one audio track.

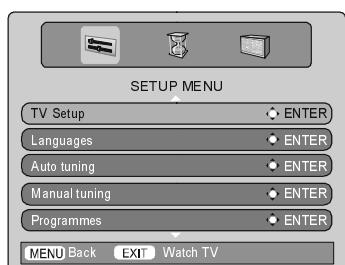Press ◖I/II to select between audio languages.

- 16 -

Child lock, PIP/PAP

Child lock

CHILD LOCK *disables the buttons on the top of the television. All buttons on the remote control can still be used.*

❶ If in digital mode, press **MENU**, using ⌄ select **TV Setup** from the **SETUP MENU,** then press **OK.**

```
           SETUP MENU
 TV Setup                    ◇ ENTER
 Languages                   ● ENTER
 Auto tuning                 ● ENTER
 Manual tuning               ● ENTER
 Programmes                  ● ENTER
 MENU Back    EXIT  Watch TV
```

❷ **Analogue TV** menus will appear on the screen. Press ⌃ or ⌄ to select **Feature** and press ⟨ or ⟩ to enter the menu**.**

```
             Feature

 ▸ Child Lock
   Language
   Av-2 Output

               On
```
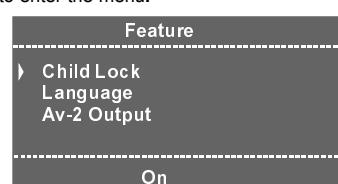
❸ If in analogue mode, press ⌃ or ⌄ to select **Feature** and press ⟨ or ⟩ to enter the menu. Press ⌄ to choose **Child Lock** and press ⟨ or ⟩ to set it **On** or **Off**.

When **CHILD LOCK** is selected, a reminder will appear when any of the panel buttons on the top of the television are pressed. Once the television has been switched off it can ONLY be brought out of standby using the remote control.

PIP (Picture-In-Picture)

PIP *feature allows you to watch another programme in a small window placed on the main picture.*

❶ Press ▣/▣ button to display the PIP window.

❷ If in digital mode:

Press **OK** to activate the PIP window (seen with a green border) and then press ⊕ to select an available source.

❸ If in analogue mode, only digital mode can be seen in the PIP window. Press **OK** to activate a window.

❹ Press ⟨ , ⟩ to set the PIP window position and ⌃, ⌄ to adjust the PIP window size (if PIP window is activated).

❺ Press ▣/▣ twice to exit PIP.

PAP (Picture-And-Picture)

PAP *feature splits the screen into two windows and allows you to watch two programmes at the same time.*

❶ Press ▣/▣ button twice to display the PAP window.

❷ Press **OK** to activate a window and then press ⊕ to select an available source.

❸ Press ⟨ or ⟩ to change the position of the windows.

❹ Press ▣/▣ button again to exit PAP.

Sound controls — volume, sound mute, balance, effect, headphone

All sound controls are available in both **digital** and **analogue** modes**.** To access the **Sound** menu in **digital**: press **MENU** and using ∨ select **TV Setup**, press ⟨ , ⟩ or **OK** to bring up the **Sound** menu. To access the **Sound** menu in **analogue**: press **MENU** and using ⟨ , ⟩ or **OK** enter the **Sound** menu.

Sound controls

Volume

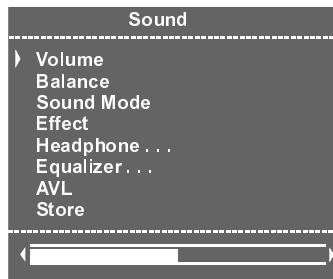Press ◿**+** or **–**◿ on the remote control to adjust the volume.

In the **Sound** menu use ⟨ or ⟩ to adjust the volume level while **Volume** item is selected.

Sound Mute

Press 🔇 once to turn the sound off and again to cancel.

Sound balance

❶ Press **MENU**, main menu will appear. Sound is the selected item which is indicated with an arrow on the left side. Press ⟨ , ⟩ or **OK** to enter the **Sound** menu.

```
            Sound
- - - - - - - - - - - - - - - - -
▸ Volume
  Balance
  Sound Mode
  Effect
  Headphone . . .
  Equalizer . . .
  AVL
  Store
- - - - - - - - - - - - - - - - -
◂ ▬▬▬▬▬▬▬▬▬▬▬▬          ▸
```

❷ Press ∨ to select **Balance** and ⟨ or ⟩ button to adjust the settings.

❸ Press ∨ to select **Store** and then ⟨ , ⟩ or **OK** to save the settings. Press **EXIT** to finish.

Effect

Effect creates a synthetic sound effect for movies and television shows recorded in mono.

❶ In the **Sound** menu press ∨ to highlight **Effect.**

❷ Use the ⟨ or ⟩ to set **Effect** to On or Off.

❸ Press ∨ to select **Store** and then ⟨ , ⟩ or **OK** to save the settings. Press **MENU** to return to the previous menu or **EXIT** to finish.

Headphone

*The **Headphone** feature allows you to alter the sound from headphones when connected to the socket on the side of the television.*

❶ Select the **Sound** option from the main menu.

❷ Use ∨ to select **Headphone** then press ⟨ or ⟩ to enter the menu.

```
            Sound
- - - - - - - - - - - - - - - - -
  Volume
  Balance
  Sound Mode
  Effect
▸ Headphone . . .
  Equalizer . . .
  AVL
  Store
- - - - - - - - - - - - - - - - -
```
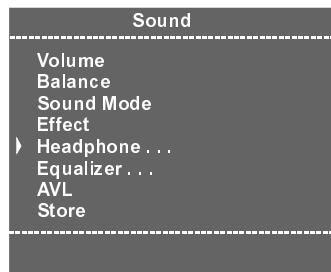
❸ Using ∧ or ∨ select an option and then ⟨ or ⟩ to adjust to suit personal taste.

```
          Headphone
- - - - - - - - - - - - - - - - -
▸ Volume
  Sound Mode
  Store
- - - - - - - - - - - - - - - - -
◂ ▬▬▬▬▬▬▬▬▬▬▬▬          ▸
```

❹ To save the adjustments, select the **Store** item and press ⟨ , ⟩ or **OK**.

❺ Press **EXIT** to finish.

Sound controls continued —
equalizer, AVL

Equalizer

The **Equalizer** *feature has a number of sound settings to select from;* **User, Flat, Pop, Rock, Jazz or Classic.** These *settings are all preset and cannot be altered. The* **User** *setting can be altered and stored to suit personal preference.*

❶ Select the **Sound** option from the main menu.

❷ In the **Sound** menu, use ∨ to select **Equalizer** then press **OK,** ‹ or › to enter the menu.

```
           Sound
- - - - - - - - - - - - - - - - - -
    Volume
    Balance
    Sound Mode
    Effect
    Headphone . . .
 ▸  Equalizer . . .
    AVL
    Store
- - - - - - - - - - - - - - - - - -
```

❸ Press ‹ or › to select **User**.

```
          Equalizer
- - - - - - - - - - - - - - - - - -
    120 Hz
    500 Hz
    1.5 kHz
    5 kHz
    10 kHz
 ▸  Mode
    Store
- - - - - - - - - - - - - - - - - -
           User
```
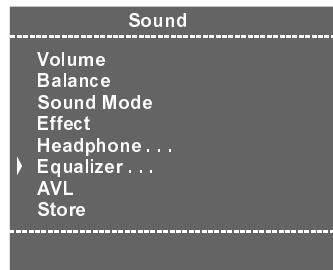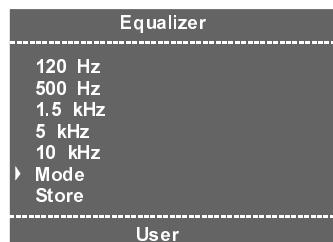
❹ Using ∧ or ∨ select a frequency and then ‹ or › to adjust to suit personal taste.

❺ Press ∨ to select **Store** and then ‹ , › or **OK** to save the settings. Press **EXIT** to finish.

AVL - Auto Volume Limiter

AVL *limits high volume levels and prevents the extreme changes in volume that can occur when channels are changed or a programme switches to a commercial.*

❶ In the **Sound** menu press ∨ to highlight **AVL.**

❷ Use ‹ or › to set **AVL** to On or Off.

❸ Press ∨ to select **Store** and then ‹ , › or **OK** to save the settings. Press **EXIT** to finish.

Picture format

Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats. Press the ⊞ button repeatedly to select between **Auto, 4:3, Wide, Cinema, Subtitle** or **Super Live.**

When **Auto** is selected the format being displayed is determined by the picture being broadcast.

.

4:3   *Use this setting to view a true 4:3 broadcast.*

WIDE   *Use this setting when watching a 16:9 broadcast.*

CINEMA   *When watching 'letterbox format' films/video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.*

SUBTITLE   *When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.*

Subtitle

SUPER LIVE   *Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) black bars may be visible on the top and bottom of the screen.*

Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.

Picture controls — picture mode, hue, noise reduction, Vcr mode

The picture controls are available in both **digital** and **analogue** modes. To access the **Picture** menu in **digital**: press **MENU** and using ∨ select **TV setup,** press ∧ or ∨ to select the **Picture** option, press **OK,** ⟨ or ⟩ to enter the menu. To access the **Picture** menu in **analogue:** press **MENU** and using ∧ or ∨ select the **Picture** option.

Picture mode

This television offers the choice of personalising the picture style. Press →|◪|← *to view the different styles available:*
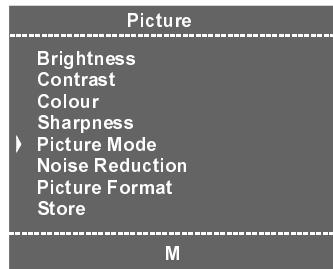
    PICTURE MODE 1 *to* **3** are *preset options and* **PICTURE MODE M** *stores your own settings.*

❶ Select the **Picture** option from the main menu.

❷ Press ∨ to select **Picture Mode** and then ⟨ or ⟩ to select **M**.

> ```
> Picture
> ──────────────────────
>   Brightness
>   Contrast
>   Colour
>   Sharpness
> ▸ Picture Mode
>   Noise Reduction
>   Picture Format
>   Store
> ──────────────────────
>                      M
> ```

❸ Using ∧ or ∨ select **Brightness, Contrast, Colour** and **Sharpness**; then use ⟨ or ⟩ to adjust to suit personal taste.

❹ Press ∨ to select **Store** then press ⟨ , ⟩ or **OK** button to save the adjustments. *Stored* message appears on the bottom of the menu.

    You can store the settings in the menu via pressing **OK** button while the Picture menu is on the screen.

Hue

This item is displayed in Picture menu when the TV receives an NTSC signal in AV mode.

❶ In the **Picture** menu press ∨ until **Hue** is selected.

❷ Press ⟨ or ⟩ buttons to adjust **Hue** to suit your preference.

Noise Reduction

Noise Reduction *'softens' the screen representation of* a weak signal *to reduce the noise effect.*

❶ In the **Picture** menu press ∨ until **Noise Reduction** is selected.

❷ Press ⟨ or ⟩ to select between **Minimum, Medium, Maximum** and **Off.** The differences may not always be noticeable.

Vcr Mode

When **Vcr Mode** *is set to* **On,** *the picture on the screen is locked into position. This stops any movement that might be noticeable when viewing a picture from a VCR.*

❶ Press **MENU** and using ∧ or ∨ select **Install** menu.

❷ Press ∨ until **Vcr Mode** is selected.

> ```
> Install
> ──────────────────────
>   Programme
>   Band
>   Channel
>   Standard
>   Search
>   Fine Tuning
> ▸ Vcr Mode
>   Store
> ──────────────────────
>                     On
> ```
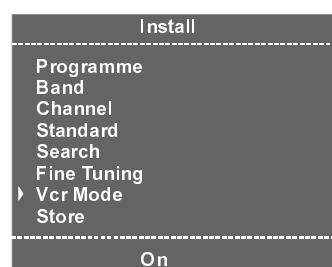
❸ Press ⟨ or ⟩ to set it **On** or **Off.**

❹ Press **MENU** to return to the previous menu or **EXIT** to finish.

Timers

Remember: When viewing in **digital** mode if **analogue** is required press ⊕, **Source menu** appears on the screen and select **ATV.** To return to **digital** viewing, select **DTV** in **Source menu.**

Programme timers - digital

*This feature sets the television timers to record programmes. The "**Repeat**" feature can be set to record "daily" and "weekly" to ensure a series of programmes are recorded.*

❶ Press **MENU** and ⟨ or ⟩ to select the **TIMER MENU**.

```
           ⇄        ⧗         ▱

              TIMER MENU
                   ⌃
   Programme timers        ◇ ENTER




   MENU  Back   EXIT  Watch TV
```

❷ Press ⌄ to select **Programme Timers,** then press **OK** to select. Your TV must be on or in standby mode when a programme timer to due to start.

```
                        ⏱ 13.45 Sat, 21 Aug.
              PROGRAMME TIMERS
        Programme         Time  Date  Repeat
    1
    2
    3
    4
    5
    6
    7
    8
   ● Choose  ● Edit   MENU  Back
   ● Page Up      ● Page Down    ● Delete
```

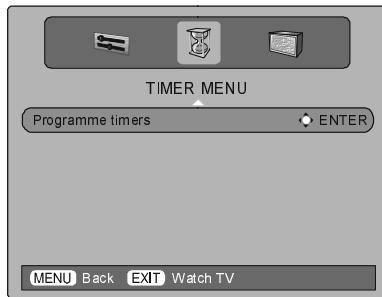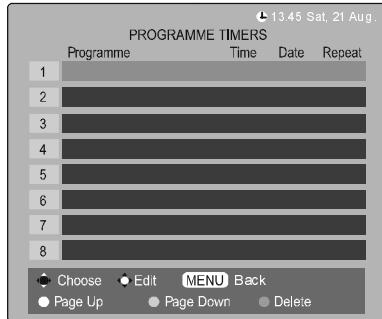❸ Press ⌄ to select the first programme to be recorded, then press **OK.** The **SET TIMER** menu will now appear.

❹ Press ⌃ or ⌄ to go through the list adding the details of the programme to be recorded by using the number buttons and ⟨ or ⟩ to make selections.

```
                 SET TIMER
   Programme    BBC FOUR         10
   Date         Sat, 21 Aug.    21/08
   Start Time                   13.45
   End Time                     14.45
   Repeat                       ONCE
   Subtitles                    NONE
   Audio Language              ENGLISH

   0-9 Enter Number  ● Save Timer  MENU Cancel
```
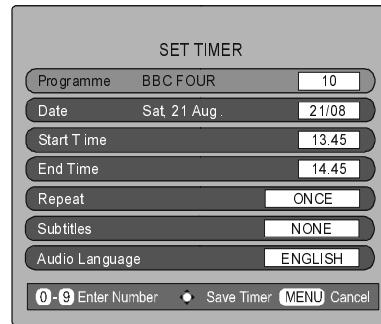
❺ When all the details have been entered press **OK** to save the timer.

   Please Note: When a timed programme is about the start recording, an information screen will appear, the television will then change automatically to the required channel. Cancelling this will also cancel the recording.

Sleep timer - analogue

*The television can be set to turn itself **OFF** after a certain time.*

❶ Press **MENU** and ⌃ or ⌄ to select **Feature**. Then press ⟨ , ⟩ or **OK** to enter the menu.

❷ To set the number of minutes in which the television will turn off press ⟨ or ⟩. This will increase or decrease in steps of 15 minutes.

```
                 Feature
   ▸ Sleep Timer
     Child Lock
     Language
     Av-2 Output
     PC RGB Sound Mode

              00:15
```

Digital Programme Guide and
on-screen information

When viewing in digital mode the on-screen information and guide give access to programme details for all available channels. Recording can also be set from *both* the information screen and guide.

Information

❶ Select information by pressing ⓘ⁺, the information screen will appear giving details of the channel and programme currently being viewed.

> 🕒 13.45 Sat, 21 Aug.
>
> | BBC ONE | 13:35 Boxing: Olympic... ✕ | 14:00 Olympic Grand... |
> | BBC TWO | 014 minutes left | I/TT ⏿ ⓞ SPORTS |
> | CBBC Channel | ...Grandstand Quarter final places are at |
> | BBC THREE | stake in the Flyweight and Middleweight divisions. |
> | BBC FOUR | |
>
> ⦿ Showing also Newsround starting in 9 minutes on CBBC Channel
>
> ⦿ Tune **EXIT** Watch TV
> ⦿ Page Up ⦿ Page Down ⦿ Showing also ⦿ Languages

❷ To see details of any of the other channels currently available, press ∧ or ∨ to scroll up/down the list. As the channel is selected details of the programme currently being broadcast will appear.

❸ Pressing the YELLOW button will activate Showing also, giving details of the programmes which have or are due to start on other channels.

❹ To record the following programme, with the information guide showing, press 〉. The Tune option at the bottom of the screen will change to Record, press **OK.** The SET TIMER screen wil appear.

> 🕒 13.45 Sat, 21 Aug.
>
> Olympic Grandstand
>
> 1   BBC ONE   14:00-15:15   Sat, 21 Aug.
>
> SET TIMER
>
> | Start Time | 〈 01:25 〉 |
> | End Time | 02:55 |
> | Repeat | ONCE |
> | Subtitles | NONE |
> | Audio Language | ENGLISH |
>
> ⓪-⑨ Enter Number ⦿ Save Timer **MENU** Cancel

❺ Press ∧ or ∨ to go through the list adding details of the programme to be recorded by using the number buttons and 〈 or 〉 to make selections. Press **OK** to save.
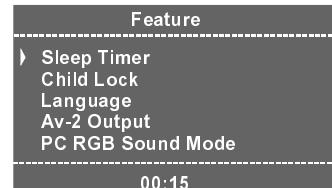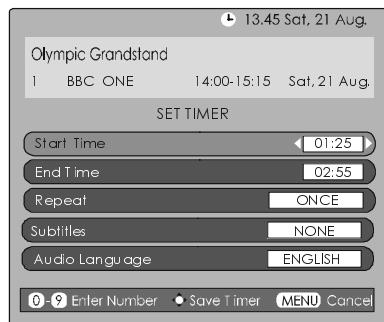
Guide

❶ Select the on-screen guide by pressing **GUIDE**, the guide screen will appear highlighting details of the channel and programme currently being viewed.

This may take a few moments to appear.

> 🕒 10.03 Mon, 30 Sep.
>
> | ALL PROGS | Monday |
> | | 10:00 10:30 11:00 11:30 |
> | BBC ONE | City Hospital | Olympic Grandstand | Barg |
> | BBC TWO | Teletubbies | Wildlife on | Their | Trad | The Daily P |
> | ITV 1 | Trisha | This Morning |
> | Channel 4 | ▤ The Big Circus | Frasier |
> | Five | The Wright Stuff | Brainteaser |
> | ITV 2 | Emmer | Sally Jessy Raphael | Judge Judy |
> | BBC THREE | This is BBC THREE |
> | Teletext | |
> | BBC FOUR | This is BBC FOUR |
> | Sky Travel | Spanish Package Deals | Floyd on F | Canary Isla |
> | UKTV History | Time Flyers | Time Flyers | Horizon |
> | E4 | Big Brother Live |
>
> ⦿ Record **ⓘ⁺** More info **EXIT** Watch TV
> ⦿ Page Up ⦿ Page Down ⦿ Timers ⦿ Change progs

❷ Press 〈 or 〉 for information of other programmes scheduled for the channel selected.

❸ For details of other channels currently available, press ∧ or ∨ to scroll up and down the channel list. As the channel is selected details of the programme currently being broadcast will appear, then press 〈 or 〉.

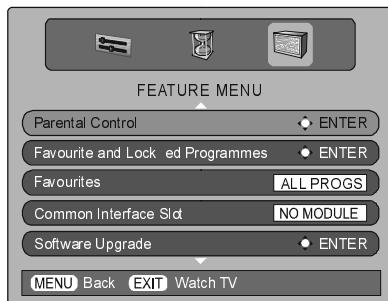❹ Press the ⓘ⁺ button for more information about the currently highlighted programme.

Digital parental controls - setting the pin, mode

There are a number of parental controls which can block specific channels being viewed, and which can only be accessed with a security PIN code when in digital mode.

Once you've entered the PIN code, you do not need to enter it again until next time you power-on TV. To restore PIN code entry again (e.g. for parental controls on locked programmes) press STANDBY twice.

Setting the PIN

❶ Press **MENU** and ⟩ to select **FEATURE MENU.**

```
           FEATURE MENU
Parental Control                  ◇ ENTER
Favourite and Lock ed Programmes  ● ENTER
Favourites                      ALL PROGS
Common Interface Slot           NO MODULE
Software Upgrade                  ● ENTER

 MENU  Back   EXIT  Watch TV
```

❷ Use ⌄ to select **Parental Control** then press **OK.**

❸ Press ⌄ to highlight **Change Pin** then press **OK.**

```
        PARENTAL CONTROL
Mode                         OFF
Change Pin                ◇ ENTER

 MENU  Back   EXIT  Watch TV
```

❹ Using the number buttons enter a four digit number, when these have been entered the screen will ask you to confirm them by entering them again.

```
       DEFINE PIN NUMBER
New PIN
Confirm PIN

 0 - 9  Enter PIN      EXIT  Exit
```
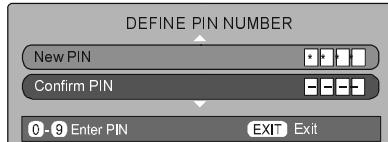
❺ Press **MENU** to go back to the Parental Control screen. The PIN number is now set.

Mode

This feature locks various menus to prevent the television being retuned or the settings being overridden.

❶ In the **PARENTAL CONTROL** menu press ⌄ to select Mode.

```
        PARENTAL CONTROL
Mode                         OFF
Change Pin                ● ENTER

 MENU  Back   EXIT  Watch TV
```

❷ Use ⟨ or ⟩ to choose between **ON**, **OFF**, **LOCK MENU** and **LOCK INSTALL.**

When menus that have been locked are now selected, they will only become available when the PIN is entered.

Digital settings - favourite programmes, locked programmes, encrypted programmes
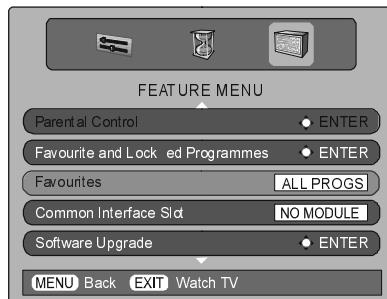
Selecting Favourite Programmes

Favourite Programmes *creates a list of the digital channels that are watched most. Four lists* can be *created, this can be a mixture of television, text and radio channels.*

❶ From the FEATURE MENU press ⌄ to select **Favourite and Locked Programmes** and press **OK.**

```
           FAVOURITE AND LOCKED PROGRAMMES

              Favourite List 1:   No
                                  ▲
      1    ☐ BBC ONE           ☐▷ ■  ■  ■  ■
      2    ☐ BBC TWO              ■  ■  ■  ■  ■
      7    ☐ BBC THREE            ■  ■  ■  ■  ■
      10   ☐ BBC FOUR             ■  ■  ■  ■  ■
      30   ☐ CBBC Channel         ■  ■  ■  ■  ■
      31   ☐ CBeebies             ■  ■  ■  ■  ■
                                  ▼

     ● Select    MENU Back
     ● Page Up   ● Page Down   ● Select all   ● Deselect all
```

❷ Use ⌃ or ⌄ to go through the list of channels pressing **OK** to select the ones required, a tick will appear in the box.

❸ Press ⟩ to select List 2. Follow the same procedure to make the selection. When all favourites have been selected press **MENU** to return to the **FEATURE** menu.

❹ Use ⌄ to highlight **Favourites** and ⟨ or ⟩ to select between **TV, FAV-1, FAV-2, FAV-3, FAV-4, ALL PROGS.** The number of favourites available depends on how many lists have been created.

```
      ┌─────────────────────────────────┐
      │    ⊷        🖥        🗔          │
      │                                 │
      │         FEATURE MENU            │
      │             ▲                   │
      │  Parental Control      ● ENTER  │
      │  Favourite and Locked Programmes ● ENTER │
      │  Favourites            ALL PROGS│
      │  Common Interface Slot NO MODULE│
      │  Software Upgrade      ● ENTER  │
      │             ▼                   │
      │  MENU Back   EXIT Watch TV      │
      └─────────────────────────────────┘
```

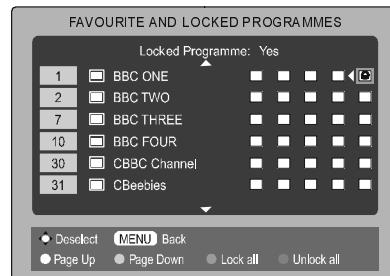**❺** Press **EXIT**.

Using the ▲P▼ buttons will only access those channels in **Favourite List 1** when FAV-1 is selected.

Locking Programmes

Locked programmes *stops the viewing of selected **digital** channels,which can only be accessed by entering the PIN.*

❶ From the **FEATURE MENU** press ⌄ to select **Favourite and Locked Programmes.**

❷ Press ⟩ repeatedly to select the **Locked Programme** list.

❸ Use ⌃ or ⌄ to go through the list of channels pressing **OK** to select the required, a padlock will appear in the box.

```
           FAVOURITE AND LOCKED PROGRAMMES

              Locked Programme:  Yes
                                  ▲
      1    ☐ BBC ONE           ■  ■  ■  ■◁🔒
      2    ☐ BBC TWO              ■  ■  ■  ■  ■
      7    ☐ BBC THREE            ■  ■  ■  ■  ■
      10   ☐ BBC FOUR             ■  ■  ■  ■  ■
      30   ☐ CBBC Channel         ■  ■  ■  ■  ■
      31   ☐ CBeebies             ■  ■  ■  ■  ■
                                  ▼

     ● Deselect  MENU Back
     ● Page Up   ● Page Down   ● Lock all   ● Unlock all
```

❹ Press **EXIT** to finish.

❺ When any of the channels in the **Locked Programme** list are now selected the PIN must be entered before they can be accessed.

Encrypted Programmes

*Selecting **Encrypted Programmes** allows all encrypted programmes to be shown in the programme list even if they are not available to select.*

❶ In the **FEATURE MENU** press ⌃ or ⌄ to select **Encrypted Programmes.**

❷ Use ⟨ or ⟩ to select **ON** or **OFF**.

Digital settings continued - audio languages, subtitles, reset tv, common interface

Audio Languages

This feature allows a programme or film to be viewed with a choice of soundtrack language, provided they are currently being broadcast.

❶ From the **SETUP MENU** press ∨ to select **Languages.**

```
                SETUP MENU
                    ▲
  TV Setup                    ● ENTER
  Languages                   ○ ENTER
  Auto tuning                 ● ENTER
  Manual tuning               ● ENTER
  Programmes                  ● ENTER
                    ▼
  MENU  Back    EXIT  Watch TV
```

❷ Press **OK**, then ∧ or ∨ *to* highlight the **Audio Language.**

❸ Use ⟨ or ⟩ to select **ENGLISH, WELSH** or **GAELIC.**

```
              LANGUAGES
                   ▲
  Audio Language        ◀ ENGLISH ▶
  Subtitles                  OFF
                   ▼
  MENU  Back    EXIT  Watch TV
```

Note: If more than one sountrack is available, use ◯◯I/II to select between them.

Subtitles

This feature will show subtitles on the bottom of the screen in the selected language provided they are being broadcast.

❶ From the **LANGUAGES** menu press ∨ to select **Subtitles.**

❷ Use ⟨ or ⟩ to select **OFF, ENGLISH, WELSH** or **GAELIC.**

Reset TV

*Selecting **Reset TV** will delete all stored **digital** channels and settings. The television will return to factory settings and then auto tune.*
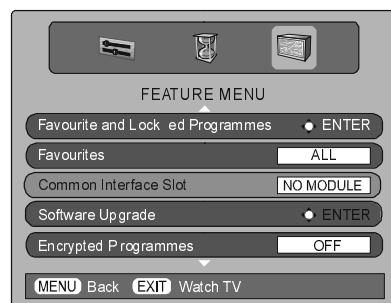
❶ Press **MENU** and then press ∨ until **Reset TV** is highlighted.

❷ Press **OK** to select. A screen will appear warning that all digital settings will be lost, press **OK** to continue.

The welcome screen will appear, press **OK** to continue, the television will then auto tune.

Common Interface

The Common Interface Slot, situated on the back of the television, enables the insertion of a CAM (Conditional Access Module) and card. These are purchased from a service provider and allow additional broadcasts to be viewed. For information see a service provider.

❶ Insert the CAM and card into the Common Interface slot, following the instructions provided with the CAM. A box will appear on screen to confirm that the CAM is loaded.

❷ From the **FEATURE MENU** press ∧ or ∨ to select **Common Interface Slot.**

```
                FEATURE MENU
                     ▲
  Favourite and Locked Programmes  ● ENTER
  Favourites                       ALL
  Common Interface Slot      NO MODULE
  Software Upgrade              ● ENTER
  Encrypted Programmes            OFF
                     ▼
  MENU  Back    EXIT  Watch TV
```
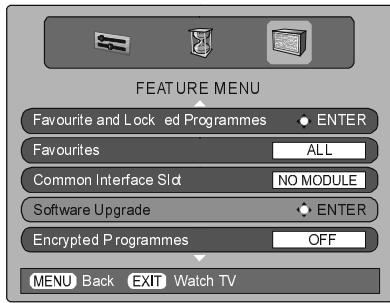
❸ Details of the CAM should now be available. Use **OK** to select it.

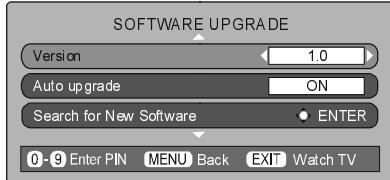# Digital settings continued - version, auto upgrade and searching for new software

Version

This feature can be used to check the version of software currently installed.

❶ From the **FEATURE MENU** press ⌄ to select **Software Upgrade.**

```
         ⚙    ⌛    🖼

      FEATURE MENU
Favourite and Lock ed Programmes   ● ENTER
Favourites                      ALL
Common Interface Slot        NO MODULE
Software Upgrade                ◆ ENTER
Encrypted P rogrammes           OFF
MENU  Back   EXIT  Watch TV
```

❷ Press ⌃ or ⌄ *to* select **Version.** Use ‹ or › to select. When the software has been updated there will be a choice of two versions available.

```
      SOFTWARE UPGRADE
               ▲
Version            ‹        1.0    ›
Auto up grade              ON
Search for New Software      ● ENTER
0 - 9  Enter PIN  MENU  Back  EXIT  Watch TV
```
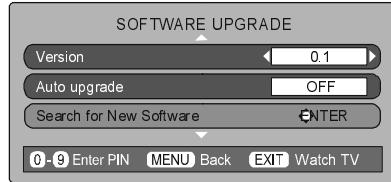
Auto Upgrade

*If **Auto upgrade** is selected the software will automatically update as each version becomes available, provided the television is on or in standby. If the television is on, a screen prompt will appear showing the software download taking place.*

❶ From the **SOFTWARE UPGRADE** menu press ⌄ to select **Auto Upgrade.**

❷ Use ‹ or › to select **ON** or **OFF.**

Searching for new software

*If prefered, software upgrades can be searched for manually using **Search For New Software.***

❶ In the **SOFTWARE UPGRADE** menu press ⌃ or ⌄ to select **Search For New Software.**

```
      SOFTWARE UPGRADE
               ▲
Version            ‹        0.1    ›
Auto upgrade              OFF
Search for New Software      ◆ ENTER
0 - 9  Enter PIN  MENU  Back  EXIT  Watch TV
```

❷ Press **OK.** The television will automatically start searching for a software upgrade, the progress bar will move along the line.

```
   SEARCHING FOR NEW SOFTWARE

Searching for a new software upgrade for
this TV.
Searching      ▭▬▬▬▬▬▬▬

EXIT  Stop
```

If an upgrade is found the television will automatically start downloading, if not a screen will appear stating that an upgrade is unavailable.

```
   NO UPGRADE AVAILABLE
  ❗ There is no upgrade available
     at this time.
  ● Continue
```
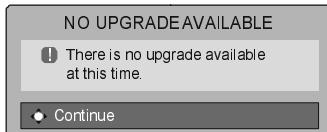
This can take several minutes.

Input selection, AV connections, PC RGB sound mode and analogue switch-off

Settings for the INPUT and OUTPUT sockets so that the television recognises connected equipment. See **page 6-7** for a clear view of the back connection recommendations.

Most media recorders and decoders send a signal through the scart lead to switch the television to the correct Input socket. Alternatively press the external source selection button ⏣ until the desired source is selected in Source menu.

Input selection

Use the Input Selection if the television does not switch over automatically.

❶ Press ⏣ to select **ATV, AV-1, AV-2, AV-2S, YPbPr, AV-3S, PC RGB** or **DTV.**

OUTPUT signal selection for AV-2 (Scart 2)

This enables selection of the source to output from AV-2. For example, to record transmissions in stereo from a stereo decoder - connect a stereo decoder to **AV-1** and stereo media recorder to **AV-2**, then select **AV-1** as the **Av-2 Output.** The signal received through SCART 1 will output directly through SCART 2.

❶ From the **Feature** menu, press ∨ to select **Av-2 Output.**

Feature
Sleep Timer
Child Lock
Language
▸ Av-2 Output
PC RGB Sound Mode
ATV

❷ Use ‹ or › to change **Av-2 Output** option to:

ATV = The last television programme selection.

AV-1= The picture from equipment connected to **AV-1**.

DTV= The programme selection from the digital mode.

PC RGB Sound Mode

❶ From the **Feature** menu, press ∨ to select **PC RGB Sound Mode.**

❷ Use ‹ or › to change **PC RGB Sound Mode** option to **TV, AV-1, AV-2, YPbPr** or **PC RGB.** The sound of the selected source will be heard when the TV is in PC RGB mode.

Analogue switch-off

This is a digital television which is integrated to allow the use of both digital and analogue services. However, during the lifetime of this set it is very likely that analogue services will be switched off to allow for more new digital services.

This 'switch-off' will happen in a number of phases, which will be advertised in your area well in advance. It is recomended that at each phase the television is re-tuned to ensure that existing and new digital services can be viewed without disruption *(see Auto tuning page).*

Input selection, AV connections,
PC RGB sound mode and analogue switch-off

Settings for the INPUT and OUTPUT sockets so that the television recognises connected equipment. See page 7 for a clear view of the back connection recommendations.

Most media recorders and decoders send a signal through the scart lead to switch the television to the correct Input socket. Alternatively press the external source selection button ⊕ until the desired source is selected in **Source menu.**
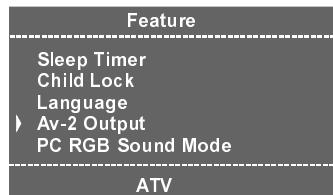
Input selection

Use the Input Selection if the television does not switch over automatically.

❶ Press ⊕ to select **ATV, AV-1, AV-2, AV-2S, YPbPr, AV-4, AV-4S, PC RGB or DTV.**

OUTPUT signal selection for AV-2 (Scart 2)

This enables selection of the source to output from AV-2. For example, to record transmissions in stereo from a stereo decoder - connect a stereo decoder to **AV-1** and stereo media recorder to **AV-2**, then select **AV-1** as the **Av-2 Output.** The signal received through SCART 1 will output directly through SCART 2.

❶ From the **Feature** menu, press ⌄ to select **Av-2 Output.**

```
            Feature
···································
   Sleep Timer
   Child Lock
   Language
 ▸ Av-2 Output
   PC RGB Sound Mode
···································
            ATV
```

❷ Use ⟨ or ⟩ to change **Av-2 Output** option to:

ATV = The last television programme selection.

AV-1= The picture from equipment connected to **AV-1**.

AV-4= The picture from equiment connected to the AV-4 (Connections on the side).

DTV= The programme selection from the digital mode.

PC RGB Sound Mode

❶ From the **Feature** menu, press ⌄ to select **PC RGB Sound Mode.**

❷ Use ⟨ or ⟩ to change **PC RGB Sound Mode** option to **ATV, AV-1, AV-2, AV-4, PC RGB or DTV.** The sound of the selected source will be heard when the TV is in PC RGB mode.

Analogue switch-off

This is a digital television which is integrated to allow the use of both digital and analogue services. However, during the lifetime of this set it is very likely that analogue services will be switched off to allow for more new digital services.

This 'switch-off' will happen in a number of phases, which will be advertised in your area well in advance. It is recomended that at each phase the television is re-tuned to ensure that existing and new digital services can be viewed without disruption *(see* **Auto tuning** *page).*

PC Mode

Picture, PIP Picture, Feature, Geometry and **PIP Source** menus in PC mode are described below. The other menu items are identical to TV mode menus. Please see the previous sections.

Switching From TV to PC Mode

❶ Press ⟶⊕ button and select **PC RGB** item in **Source** menu.

❷ Press **MENU** in **PC Mode**, Main menu appears on the screen as below:

```
            Menu
- - - - - - - - - - - - - - -
▸ Sound...
  Picture...
  PIP Picture...
  Feature...
  Geometry...
  Source...
  PIP Source
- - - - - - - - - - - - - - -
```
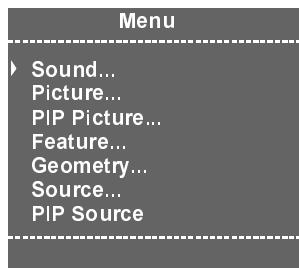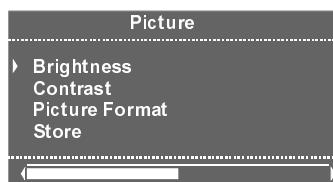
Sound

The **Sound** menu is as in the TV mode.

Picture

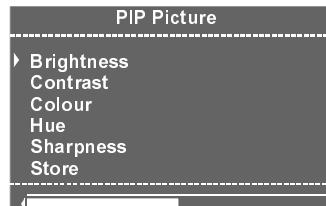*In PC mode, the **Picture** menu appears on the screen as below.*

❶ Select the **Picture** option from the main menu.

```
           Picture
- - - - - - - - - - - - - - -
▸ Brightness
  Contrast
  Picture Format
  Store
- - - - - - - - - - - - - - -
```

❷ Press ⌄ to select the option you want to adjust and then press ⟨ , ⟩ or **OK** button to suit the personal taste.

PIP Picture

❶ Select **PIP Picture** in main menu.

```
         PIP Picture
- - - - - - - - - - - - - - -
▸ Brightness
  Contrast
  Colour
  Hue
  Sharpness
  Store
- - - - - - - - - - - - - - -
```
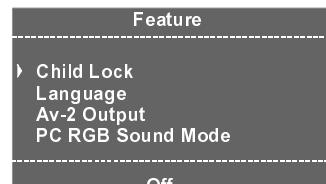
❷ Press ⌄ to select the item you want to adjust.

❸ Please refer to the previous sections for getting information about how to adjust the menu items.

Feature Menu

*In PC mode, the **Feature** menu appears on the screen as below.*

❶ Select **Feature** option in main menu.

```
           Feature
- - - - - - - - - - - - - - -
▸ Child Lock
  Language
  Av-2 Output
  PC RGB Sound Mode
- - - - - - - - - - - - - - -
             Off
```

❷ Please refer to the previous sections for getting information about how to adjust the menu items.

Geometry Menu

Geometry *menu is available in PC mode. If you shift the picture horizontally or vertically to an unwanted position, use **Geometry** menu items to put the picture into correct place automatically.*

```
           Geometry
- - - - - - - - - - - - - - -
▸ Horz. Position
  Vert. Position
  Hsync Phase
  Auto Position
  Store
- - - - - - - - - - - - - - -
```
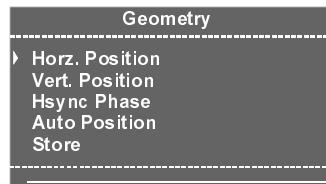
PC Mode continued

Horizontal Position

Horz. (Horizontal) Position *shifts the image horizontally to right hand side or left hand side of the screen.*

❶ When you enter the **Geometry** menu, **Horz. Position** becomes selected.

❷ Press ‹ or › button to adjust the value.

Vertical Position

Vert. (Vertical) Position *shifts the image vertically towards the top or bottom of the screen.*

❶ In the **Geometry** menu press ˅ until **Vert. Position** is selected.

❷ Press ‹ or › to adjust the value.

Hsync Phase

Depending on the resolution and scan frequency that you input to the TV Set, you may see a hazy or noisy picture on the screen. In such a case you can use this item to get a clear picture by trial and error method.

❶ In the **Geometry** menu press ˅ button until **Hsync Phase** is selected.

❷ Press ‹ or › to adjust the value.

Auto Position

If you shift the picture horizontally or vertically to an unwanted position, use this item to put the picture into correct place automatically. Auto position adjustment is recommended to be done with the full screen image for correct adjustment.

❶ In the **Geometry** menu press ˅ button until **Auto Position** is selected.

❷ Press ‹ or › to activate.

"Please Wait" is displayed at the bottom of the menu. After a few seconds the screen geometry is adjusted automatically.

Source

The **Source** menu is as in the TV mode.

PIP (Picture-in-Picture) Source

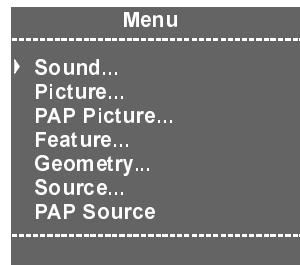*This menu is available when the PIP mode is activated by pressing the ▣/▣ button.*

❶ Select **PIP Source** in main menu.

❷ *For 17WLT56B and 20WLT56B models:*

Press ‹ or › to select **TV**, **AV-1**, **AV-2**, **AV-2S**, **AV-3S** or **DTV**. Then press **OK**.

For 23WLT56B model:

Press ‹ or › to select **ATV**, **AV-1**, **AV-2**, **AV-2S**, **AV-4**, **AV-4S** or **DTV**.

❸ Press **EXIT** to finish.

Now you can use **OK** button to activate a window. Press ‹ , › to set the PIP window position and ˄ , ˅ to adjust the PIP window size (if PIP window is activated).

PC and Picture

If **PC and Picture (PAP)** feature is activated by pressing the ▣/▣ button twice, main menu appears on the screen as below:

```
          Menu
--------------------------------
▸ Sound...
  Picture...
  PAP Picture...
  Feature...
  Geometry...
  Source...
  PAP Source
--------------------------------
```

In this mode, **Picture** menu becomes as below:

```
         Picture
--------------------------------
▸ Brightness
  Contrast
  Store
--------------------------------
```

PAP Picture and **PAP Source** options have the same items with **PIP Picture** and **PIP Source**.

And the rest of the menu options in the main menu have the same descriptions as stated in previous sections.

PC input typical display modes

The display has a maximum resolution of 1280 x 768, vertical sync. frequency range of 50-75 Hz and a horizontal sync. frequency range of 30-69 KHz.

The following table is an illustration of some of the typical video display modes.

Mode	Resolution		Frequency	
	Horizontal	Vertical	Hor. (kHz)	Ver. (Hz)
1	640	400	31.5	70
2	640	480	31.5	60
3	640	480	37.9	72
4	640	480	37.5	75
5	720	400	31.5	70
6	800	600	35.2	56
7	800	600	37.9	60
8	800	600	48.1	72
9	800	600	46.9	75
10	1024	768	48.4	60
11	1024	768	56.5	70
12	1024	768	60.0	75
13	1280	720	44.8	60
14	1280	768	47.8	60

The native resolution of the TFT-LCD Panel is 1280 x 768. Therefore using Mode 14 is advised to get the best PC input display quality.

PC input typical display modes

The display has a maximum resolution of 1360 x 768, vertical sync. frequency range of 50-75 Hz and a horizontal sync. frequency range of 30-69 KHz.

The following table is an illustration of some of the typical video display modes.

Mode	Resolution		Frequency	
	Horizontal	Vertical	Hor. (kHz)	Ver. (Hz)
1	640	400	31.5	70
2	640	480	31.5	60
3	640	480	37.9	72
4	640	480	37.5	75
5	720	400	31.5	70
6	800	600	35.2	56
7	800	600	37.9	60
8	800	600	48.1	72
9	800	600	46.9	75
10	1024	768	48.4	60
11	1024	768	56.5	70
12	1024	768	60.0	75
13	1280	720	44.6	60
14	1280	768	47.6	60
15	1360	768	47.6	60

The native resolution of the TFT-LCD Panel is 1366 x 768. Therefore using Mode 15 is advised to get the best PC input display quality.

PC input typical display modes

The display has a maximum resolution of 1366 x 768, vertical sync. frequency range of 50-75 Hz and a horizontal sync. frequency range of 30-69 KHz.

The following table is an illustration of some of the typical video display modes.

Mode	Resolution		Frequency	
	Horizontal	Vertical	Hor. (kHz)	Ver. (Hz)
1	640	400	31.5	70
2	640	480	31.5	60
3	640	480	37.9	72
4	640	480	37.5	75
5	720	400	31.5	70
6	800	600	35.2	56
7	800	600	37.9	60
8	800	600	48.1	72
9	800	600	46.9	75
10	1024	768	48.4	60
11	1024	768	56.5	70
12	1024	768	60.0	75
13	1280	720	44.8	60
14	1280	768	47.8	60
15	1366	768	47.8	60

The native resolution of the TFT-LCD Panel is 1366 x 768. Therefore using Mode 15 is advised to get the best PC input display quality.

Digital text and interactive services, analogue text

Digital text and interactive services

The digital text and interactive services are the up-to-date way of viewing service information, using computer-style formats, incorporating pictures and interactive views.

They offer high quality on-screen images with multi-colour photographic still images, advanced text and graphics and are user-friendly. These services are free to anyone with a digital television, however; they are not available for all digital stations and are dependant on the broadcaster.

Simply using the coloured buttons on the remote control and $\wedge$, $\vee$, $\langle$ and $\rangle$ make navigating pages and pull-down menus quick and easy.

Using Digital interactive services

Most channels that offer interactive services will show a prompt, for example, "PRESS RED".

❶ To access digital interactive services press the TEXT or RED button. It may take a few seconds to load.

❷ Using $\wedge$ or $\vee$ highlight the required subject and press **OK**.

Use the coloured buttons as instructed.

❸ To return to normal viewing press **TEXT.**

Analogue text

The Text 🗐/🖊/⬜ **button:**

To view text services press 🗐/🖊/⬜. Press again to return to normal viewing. Programmes cannot be changed until text is cancelled.

The first text page shown will be the *initial* page.

Any text page can be accessed by entering the 3 digit page number using the numbered buttons, pressing the coloured buttons or pressing ▲P to advance to the next page and P▼ to go back to the previous page.

Four coloured titles will appear at the base of the screen. To access one of the four given subjects, press the relevant coloured button on the remote control.

For further information on your particular text system(s), see the broadcast text index page or, consult your local Toshiba dealer.

Below is a guide to the functions of the remote control text buttons.

🗐 To display an initial page:

Press 🗐 to access an initial page. The one displayed is dependant on the broadcaster.

🗐 To display a sub-page of a text page:

If a text page has sub-pages, press 🗐 and enter the subpage number using the numbered buttons.

After subpage numbers appears on text page, press left or right buttons to display the subpages.

🗐 To reveal concealed text:

To discover the solutions on quiz and joke pages press the 🗐 button.

🗐 To hold a wanted page:

At times it is convenient to hold a page of text.

Press 🗐 and **HOLD** will appear in the top left of the screen. The page will be held on screen until the button is pressed again.

🗐 To enlarge the text display size:

Press 🗐 once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to normal size.

🕐/🗷 To select a page whilst viewing a normal page:

Enter the page number then press 🕐/🗷, a normal picture will be displayed. The television will indicate when the page is present by displaying the page number at the top of the screen. Press 🕐/🗷 to view the page.

To *display news flashes:*

Select the news flash page for the chosen text service (see the index page of text service).

Press 🕐/🗷. The news flashes will be displayed as and when they are broadcast. Press 🕐/🗷 again to cancel the display.

The news flash page must be cancelled before changing programmes.

Note: Volume level cannot be adjusted in Teletext mode.

Questions *and* Answers

Below are the answers to some of the most common queries.
For more information go to **www.toshiba.co.uk**

Q *Why is there no sound or picture?*

A Check the mains switch is on and check all connections.
Check the television is not in standby mode.

Q *Why is there a picture but no sound?*

A Check the volume has not been turned down or that sound mute has not been selected.

Q *What can cause a poor* analogue *picture?*

A Interference or a weak signal. Try a different television station. **FINE TUNING** may help.

Q *Why doesn't the video/DVD being played show on screen?*

A Make sure the VCR or DVD player is connected to the television as shown on **page 6**, then select the correct input by pressing ⊖.

Q *Why is the VCR/DVD picture in black and white?*

A Check the correct *input* has been chosen, **S-VIDEO** or **AV**. See **AV connections**.

Q *Why is there a good video picture but no sound?*

A Check the SCART lead connection.

Q *Why doesn't the remote control work?*

A Check the side switch on the remote control is in TV mode.
Check the batteries aren't dead or inserted incorrectly.

Q *Why is the DTV main menu unavailable?*

A **Analogue** mode is selected. Press ⊖ to select **DTV**.

Q *Why don't the controls on the top of the television work?*

A Check that **CHILD LOCK** is not selected.

Q *Why is there a mesasage permanently on the screen?*

A Remove it by pressing ⓘ＋.

Q *Why is the channel locked?*

A The channel has been selected in **Locked Programmes**. See *Digital Settings* pages.

Q *Why are the menus locked?*

A **LOCK MENUS** is selected. See *Parental Controls* page.

Q *Why are some of the* digital *channels unavailable?*

A Your subscription needs upgrading. Contact your service provider.

Q *Why when* digital *subtitles have been selected are they not showing on screen?*

A Subtitles are not currently being transmitted by the broadcaster.

Q *Why is the soundtrack in English when a different audio language has been selected?*

A The programme is currently being broadcast with an English soundtrack only.

Q *Why is the sound only coming from one speaker when stereo sound is selected?*

A Check that the balance in the SOUND menu hasn't been set to one side.

Questions *and Answers*

Q *What can be done if the PIN number has been forgotten?*

A Use the Master PIN code of 1276, then change to a number of your choice. Ensure that no-one else can use the Master PIN by removing the Owner's Manual.

Q *Why is there no digital text service?*

A The digital programme being viewed is not broadcasting digital text. Try another digital programme.

Q *Why are there problems with analogue text?*

A Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the text is unreadable or garbled, check the aerial. Go to the main index page of the text service and look for the *User Guide*. This will explain the basic operation of text in some detail. If further information is needed on how to use text see the text section.

Remember...

For television operation queries, please ring the helpline...

Toshiba customer helpline
0115 976 6958

Cleaning the screen and cabinet...

Turn off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you **do not** use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

Disposal...

The following information is only for EU member states.
The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Notes

For your own records

Notes

Specifications and accessories

17WLT56B

Broadcast Systems / Channels
PAL-I   UHF UK21-UK69

PAL-B/G   UHF E21-E69
                   VHF E2-E12, S1-S41

SECAM-L   UHF F21-F69
                   VHF F1-F10, B-Q

SECAM-D/K UHF R21-R69
                   VHF R1-R12

Video Input   PAL, SECAM, NTSC 3.58/4.43

External Connections

AV-1	Input/Output	21-pin Scart	RGB, A/V
AV-2	Input/Output	21-pin Scart	S-Video, A/V
AV-3	Input	RCA	Component - Y/Pb/Pr
		RCA	Audio L+R
AV-3S	Input	4 pin	S-Video

VGA Connection

Common Interface - One Module

Programme Positions   100

Stereo   Nicam, German
                          2 carrier system

Visible Screen Size
(approx.)   37cm (H)   23cm (V)

Display   15:9

Screen Resolution   1280x768

Sound Output (at 10% distortion) Main 3W + 3W

Power Consumption
as specified in EN60107-1 : 1997   60 W

Standby (approx.)   < 3W

Dimensions

(approx.)	with stand	40cm(H)	47cm(W)	20cm(D)
	without stand	36cm(H)	47cm(W)	8cm(D)

Weight (approx.)   5.7 Kg

Headphone Socket   3.5mm stereo

Accessories   Remote control
                               2 batteries
                               (AAA, IEC R03 1.5V)
                               VGA cable
                               "P" Clip Fixing

Specifications and accessories

20WLT56B

Broadcast Systems / Channels
    PAL-I   UHF UK21-UK69

    PAL-B/G   UHF E21-E69
                   VHF E2-E12, S1-S41

    SECAM-L   UHF F21-F69
                   VHF F1-F10, B-Q

    SECAM-D/K UHF R21-R69
                   VHF R1-R12

Video Input   PAL, SECAM, NTSC 3.58/4.43

External Connections

AV-1	Input	21-pin Scart	RGB, A/V
AV-2	Input/Output	21-pin Scart	S-Video, A/V
AV-3	Input	RCA	Component - Y/Pb/Pr
		RCA	Audio L+R
AV-3S	Input	4 pin	S-Video

VGA Connection

Common Interface - One Module

Programme Positions   100

Stereo   Nicam, German
             2 carrier system

Visible Screen Size
(approx.)   45cm (H)   25cm (V)

Display   16:9

Screen Resolution   1366x768

Sound Output (at 10% distortion) Main 5W + 5W

Power Consumption
as specified in EN60107-1 : 1997 80 W

Standby (approx.)   < 3W

Dimensions
(approx.)   with stand   42cm (H) 54 cm(W) 24 cm(D)
           without stand 38cm (H) 54 cm(W) 9 cm(D)

Weight (approx.)   7.2 Kg

Headphone Socket   3.5mm stereo

Accessories   Remote control
             2 batteries
             (AAA, IEC R03 1.5V)
             VGA cable
             "P" Clip Fixing

Specifications and accessories

23WLT56B

Broadcast Systems / Channels

PAL-I   UHF UK21-UK69

PAL-B/G   UHF E21-E69
               VHF E2-E12, S1-S41

SECAM-L   UHF F21-F69
               VHF F1-F10, B-Q

SECAM-D/K   UHF R21-R69
               VHF R1-R12

Video Input   PAL, SECAM, NTSC 3.58/4.43

External Connections

AV-1   Input   21-pin Scart   RGB, A/V

AV-2   Input/Output   21-pin Scart   S-Video, A/V

AV-3   Input   RCA   Component - Y/Pb/Pr
                           RCA   Audio L+R

AV-4   Input   RCA   Video-Composite
(Side)

AV-4S   Input   4-pin   S-Video
(Side)

VGA Connection

Common Interface - One Module

Programme Positions   100

Stereo   Nicam, German
                                 2 carrier system

Visible Screen Size
(approx.)   51cm (H)   29cm (V)

Display   16:9

Screen Resolution   1366x768

Sound Output (at 10% distortion) Main 5W + 5W

Power Consumption
as specified in EN60107-1 : 1997   110 W

Standby (approx.)   < 3W

Dimensions
(approx.)   with stand   48cm(H)   62cm(W)   24cm(D)
                 without stand   43cm(H)   62cm(W)   10cm(D)

Weight (approx.)   8.4 Kg

Headphone Socket   3.5mm stereo

Accessories   Remote control
                                 2 batteries
                                 (AAA, IEC R03 1.5V)
                                 VGA cable
                                 "P" Clip Fixing